





Created: 2 hours, 8 minutes after earthquake

PAGER

Version 3

10,000

100,000

1,000

M 4.0, 163 km E of Cape Canaveral, FloridaOrigin Time: 2024-02-08 03:48:07 UTC (Wed 22:48:07 local) Location: 28.5574° N 78.9438° W Depth: 10.0 km

Estimated Fatalities 10,000 1,000

and economic losses. There is a low likelihood of casualties and damage.

Green alert for shaking-related fatalities Estimated Economic Losses 30%

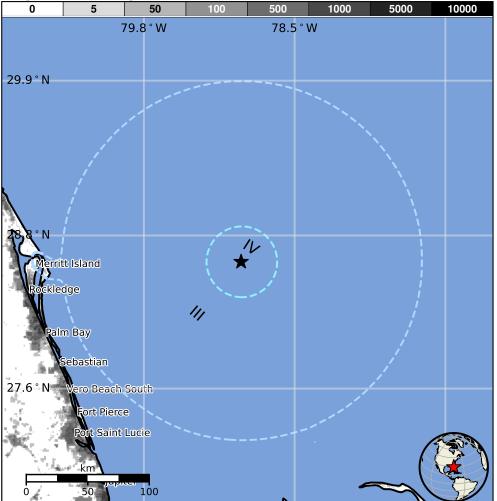
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	1,698k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY			11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

Selected City Exposure

from GeoNames.org							
MMI	City	Population					
Ш	Cape Canaveral	10k					
Ш	Cocoa Beach	11k					
П	Oak Hill	2k					
II	Roseland	1k					
II	Merritt Island	35k					
II	Mims	7k					
II	Palm Bay	103k					
II	Melbourne	76k					
II	Port Saint Lucie	165k					
II	Jupiter	55k					
П	Palm Beach Gardens	48k					

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us7000lxp2#pager

Event ID: us7000lxp2